



# Exhaust fan GF50"

Stay cool with topcool



**Name: Exhaust fan GF50**

**Size: 50"**

## Detail product:

Topcool composite fiber exhaust fan provide energy efficient and cost-effective way for exhausting air from divers application.

## Optimum application:

50" composite fiber exhaust fan is the optimum solution for livestock and poultry application. This fan offers superior performance and good efficiency

## Other environment:

Ideal for tunnel or cross ventilation. In dairy, poultry, swine, greenhouse and industrial.

## Topcool features:

### Housing:

1. Made with reinforcement fiber composite high density, durable, sturdy, and corrosion free
2. Thicker layer of U.V. protection on composite surface
3. Extra layer of resin inside give smooth surface for easy maintenance and cleaning
4. Air flow design maximize the efficiency
5. Slanted design projects away moisture from outside building.
6. Condensation flows down outside keeping walls clean and dry in the wet season.
7. Inside mounting is flush, eliminating obstruction along walkways.
8. Aerodynamic housing tunnel and cone encourages free air flow

### Propeller:

1. Duty precision double bearing assembly with protection seal and special "TOPCOOL" grease
2. Blade are made with aluminum

alloy 2.5 mm thicker

3. Belt: super high efficient moulded notch model XPA
4. Inner belt tensioned are standard with large diameter pulley
5. Long belt, can change easy around the paddle "Quick change belt".

### Motor:

1. Standard motors are totally enclosed, high efficiency
2. All motors are designed and rated for years of trouble free operation.
3. Quiet operation on all range of speed

### Support and frame:

1. Built in central I beam steel support, fix inside housing and attach on top and bottom of wall building, this design provides a strong vertical support that aligns the propeller centered in the orifice for maximum performance.
2. Motor are fix on slider motor base quick attach.
3. Stainless steel hardware #304.

### Guard:

1. heavy gauge Zinc galvanized wire and power coating finishing prevent corrosion

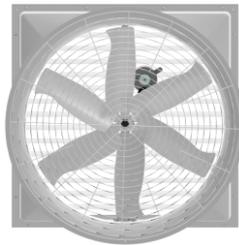
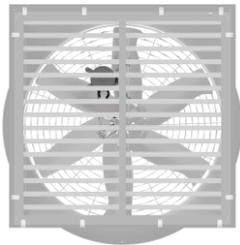
### Shutter:

1. Design to lowers air flow resistance with preventing back drafts.

2. Easy to remove intake shutter with the "Topcool shutter clip" design

### Optional accessories:

1. Motor 1 phase or 3 phase
2. OSHA safety guard
3. Thermally protection
4. Variable frequency drive (VFD)
5. Winter board inserts (replace the shutter during winter, if the fan are not required to operate)
6. Long cone
7. No cone /guard fix on housing tunnel
8. Aluminum Shutter
9. Wire guard intake (no shutter)
10. Nylon blade with direct drive (50" on 50Hz only)
11. Other configuration available on request.



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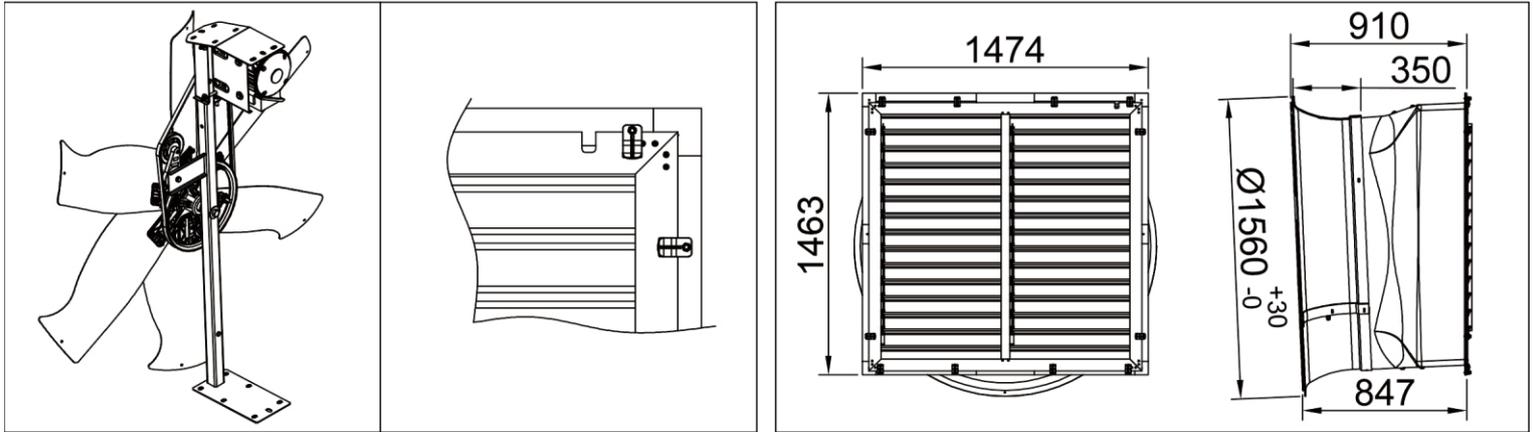


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## FEATURE POINTS



## PICTURE APPLICATION



\*Picture for reference only.

## CONFIGURATIONS & PERFORMANCE DATA

Certified by Bess Lab .



topcool parts no:	Nominal Power size (kw)	Volts	AMPS	Hz	Motor Spd	RPM	CFM (0" SP)	CFM/W (0.05" SP)	CFM (0.05" SP)	CFM/W (0.05" SP)	CFM (0.10" SP)	CFM/W (0.10" SP)	CFM (0.15" SP)	CFM/W (0.15" SP)	CFM (0.20" SP)	CFM/W (0.20" SP)	CFM (0.20"/0.05")	CFM/W (0.20"/0.05")	AFR (0.20"/0.05")	Drive	Blade	Test ref #
81-1548-0	50"	1.1	230/460	4.6/2.3	60	1725	419	22600	17.9	21200	16.2	19200	14.2	15400	11.9	12100	9.8	57%	BD	Alu	15546BL	
81-1549-0	50"	1.1	230/460	4.6/2.3	60	1725	419	23200	18.4	21800	16.8	20300	15.2	17700	13.1	11300	9.5	52%	BD	Alu	15547BL	

\*Other configuration are available.

\*For complete description and detail call now

\*Air Flow Ratio (AFR) here is calculated by dividing the CFM at .20 static pressure by the CFM at .05 static pressure.

The products show in this brochure are covered by a limited warranty.

Due to our continual effort to provide better products and service; literature, products, performance data, prices and availability are subject to change without notice.

Additional information is available at [www.topcool.co](http://www.topcool.co)

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**Representative:**

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